
Correlation tables

The correlation tables are used to coordinate the software features between two switches.

The following correlation tables are contained in this module:

- Meridian 1 switch to another Meridian 1 switch
- Meridian 1 switch to DMS-100 switch
- Meridian 1 switch to DMS-250 switch

Note 1: The Meridian 1 to SL-100 datafill is the same as the Meridian 1 to DMS-100 datafill.

Note 2: Due to proprietary constraints, the Meridian 1 to AT&T 4ESS and AT&T 5ESS datafill is not available for publication in this document.

The following tables are provided for Meridian 1 to Meridian 1:

- Table 4 PRI database correlation (protocol layer 1)
- Table 5 DCH database correlation (protocol layer 2)
(X11 release 17 and earlier)
- Table 6 DCH database correlation (protocol layer 2)
(X11 release 18 and later)
- Table 7 Facility database correlation (protocol layer 3)
(X11 release 17 and earlier)
- Table 8 Facility database correlation (protocol layer 3)
(X11 release 18 and later)

The following tables are provided for Meridian 1 to DMS-100:

- Table 9 PRI database correlation (protocol layer 1)
- Table 10 DCH database correlation (protocol layer 2)
(X11 release 17 and earlier)
- Table 11 DCH database correlation (protocol layer 2)
(X11 release 18 and later)
- Table 12 Facility database correlation (protocol layer 3)

The following tables are provided for Meridian 1 to DMS-250:

- Table 13 PRI database correlation (protocol layer 1)
- Table 14 DCH database correlation (protocol layer 2)
(X11 release 17 and earlier)
- Table 15 DCH database correlation (protocol layer 2)
(X11 release 18 and later)
- Table 16 Facility database correlation (protocol layer 3)

Meridian 1 to Meridian 1 correlation tables

Tables 4 through 6 describe how to coordinate the software features between two Meridian 1 switches. The tables consist of three columns. The description column lists the software feature to be coordinated. The first Meridian 1 column lists the Meridian 1 software prompts and the proper responses for a corresponding feature. The second Meridian 1 column lists the software tables and the correct values for the fields in these tables. The Meridian 1 system information also corresponds to a particular feature.

Each of the tables corresponds to one of three protocol layers.

Note: Both the near and the far ends must match the parameters. For example, DLOP, LCMT, and YALM responses must be the same for both ends. This applies to all the following tables for Meridian 1 to Meridian 1 configuration.

Table 4**PRI database correlation (protocol layer 1) for Meridian 1 to Meridian 1 (Part 1 of 2)**

Description	Meridian 1	Meridian 1
CARD TYPE	Program: LD 17 Prompt: MODE Response: PRI	Program: LD 17 Prompt: MODE Response: PRI
FRAME FORMAT Superframe Extended Superframe (ESF)	Program: LD 17 Prompt: DLOP (field ff) Response: D3 ESF	Program: LD 17 Prompt: DLOP (field ff) Response: D3 ESF
LINE ENCODING Zero code suppression Bit 8 zero suppression	Program: LD 17 Prompt: LCMT Response: AMI B8S	Program: LD 17 Prompt: LCMT Response: AMI B8S
BIT ERROR RATE BASE Bipolar violations CRC	Program: LD 73 Prompt: n/a (preset to four classes of error rates)	Program: LD 73 Prompt: n/a (preset)

Table 4**PRI database correlation (protocol layer 1) for Meridian 1 to Meridian 1 (Part 2 of 2)**

Description	Meridian 1	Meridian 1
DATA LINK (yellow alarm method)	Program: LD 17 Prompt: YALM Response: DG2 FDL	Program: LD 17 Prompt: YALM Response: DG2 FDL
INHIBIT ALARM TRANSMISSION	Program: LD 60 Prompt: DISY L (disable yellow alarm for loop L)	Program: LD 60 Prompt: DISY L (disable yellow alarm for loop L)
BIT ERROR RATE maintenance threshold	Program: LD 73 Prompt: BIPV Response: 1-(3)-4	Program: LD 73 Prompt: BIPV Response: 1-(3)-4
BIT ERROR RATE out of service threshold	Program: LD 73 Prompt: BIPC Response: 1-(2)-4	Program: LD 73 Prompt: BIPV Response: 1-(2)-4
BIT ERROR RATE 24-hour threshold (errored second threshold)	Program: LD 73 Prompt: BIP Response: 0-(3)-128	Program: LD 73 Prompt: BIPC Response: 0-(3)-128
FRAME ALIGNMENT maintenance threshold	Program: LD 73 Prompt: LFAL Response: 1-(17)-10240	Program: LD 73 Prompt: LFAL Response: 1-(17)-10240
FRAME ALIGNMENT out of service threshold	Program: LD 73 Prompt: LFAL Response: 1-(511)-10240	Program: LD 73 Prompt: LFAL Response: 1-(511)-10240
FRAME SLIP maintenance threshold	Program: LD 73 Prompt: SRNT Response: 1-(15)-1024	Program: LD 73 Prompt: SRNT Response: 1-(15)-1024
FRAME SLIP out of service threshold	Program: LD 73 Prompt: SRNT Response: 1-(3)-1024	Program: LD 73 Prompt: SRNT Response: 1-(3)-1024

Table 5

**DCH database correlation (protocol layer 2) for Meridian 1 to Meridian 1
X11 release 17 and earlier**

Description	Meridian 1	Meridian 1
Associate D-channel with PRI	Program: LD 17 Prompt: DCHI, DCHL Response: D-channel, PRI loop	Program: LD 17 Prompt: DCHI, DCHL Response: D-channel, PRI loop
Associate backup D-channel with PRI	Program: LD 17 Prompt: BCHI Response: BCHL RCVP BCHI is the D-channel (or DCHI port number); BCHL is the associated PRI card (or PRI loop); RCVP requests recovery to the primary D-channel.	Program: LD 17 Prompt: BCHI Response: BCHL RCVP BCHI is the D-channel (or DCHI port number); BCHL is the associated PRI card (or PRI loop); RCVP requests recovery to the primary D-channel.
Data rate of D-channel	Program: LD 17 Prompt: DRAT Response: 64KC 56KI	Program: LD 17 Prompt: DRAT Response: 64KC 56KI
DCHI mode	Program: LD 17 Prompt: USR Response: PRA, SHA ISLD	Program: LD 17 Prompt: USR Response: PRA, SHA ISLD

Table 6

DCH database correlation (protocol layer 2) for Meridian 1 to Meridian 1
X11 release 18 and later

Description	Meridian 1		Meridian 1	
Associate D-channel with PRI	Program: LD 17	Prompt and Response:	Program: LD 17	Prompt and Response:
	ADAN DCH xx		ADAN DCH xx	
	DCHL PRI loop		DCHL PRI loop	
Associate backup D-channel with PRI	Program: LD 17	Prompt and Response:	Program: LD 17	Prompt and Response:
	ADAN BDCH x is the backup D-channel number		ADAN BDCH x is the backup D-channel number	
	BCHL xx is the associated PRI card (or PRI loop)		BCHL xx is the associated PRI card (or PRI loop)	
	RCVP Yes requests recovery to the primary D-channel		RCVP Yes requests recovery to the primary D-channel	
Data rate of D-channel	Program: LD 17	Prompt and Response:	Program: LD 17	Prompt and Response:
	DRAT 64KC, 56KI		DRAT 64KC, 56KI	
DCH mode	Program: LD 17	Prompt and Response:	Program: LD 17	Prompt and Response:
	USR PRA, SHA, ISLD		USR PRA, SHA, ISLD	

Table 7
**Facility database correlation (protocol layer 3) for Meridian 1 to Meridian 1
X11 release 17 and earlier**

Description	Meridian 1	Meridian 1
B-channel selection	Program: LD 16 Prompt: SRCH Response: RRB	Program: LD 16 Prompt: SRCH Response: RRB
Loss and level	preset	preset
User-user interface	Program: LD 17 Prompt: SIDE Response: MAS	Program: LD 17 Prompt: SIDE Response: SLAV
B-channels defined	Program: LD 14 Prompt: TN Response: network loop and channel	Program: LD 14 Prompt: TN Response: network loop and channel
Interface type	Program: LD 17 Prompt: IFC Response: SL1	Program: LD 17 Prompt: IFC Response: SL1
DCHI mode route	Program: LD 16 Prompt: MODE Response: PRA, ISLD	Program: LD 16 Prompt: MODE Response: PRA, ISLD

Table 8
Facility database correlation (protocol layer 3) for Meridian 1 to Meridian 1
X11 release 18 and later

Description	Meridian 1	Meridian 1
B-channel selection	Program: LD 16 Prompt: SRCH Response: RRB	Program: LD 16 Prompt: SRCH Response: RRB
Loss and level	preset	preset
User-user interface	Program: LD 17 Prompt: SIDE Response: NET	Program: LD 17 Prompt: SIDE Response: USR
B-channels defined	Program: LD 14 Prompt: TN Response: network loop and channel	Program: LD 14 Prompt: TN Response: network loop and channel
Interface type	Program: LD 17 Prompt: IFC Response: SL1	Program: LD 17 Prompt: IFC Response: SL1
DCH mode route	Program: LD 16 Prompt: MODE Response: PRA, ISLD	Program: LD 16 Prompt: MODE Response: PRA, ISLD

Meridian 1 to DMS-100 correlation tables

Tables 9 through 12 describe how to coordinate the software features between a Meridian 1 switch and a DMS-100 switch. The tables consist of three columns. The description column lists the software feature to be coordinated. The Meridian 1 column lists the Meridian 1 software prompts and the proper responses for a corresponding feature. The DMS-100 column lists the software tables and the correct values for the fields in these tables. The DMS-100 information also corresponds to a particular feature.

Each of the tables corresponds to one of three protocol layers.

Table 9
PRI database correlation (protocol layer 1) for Meridian 1 to DMS-100 (Part 1 of 2)

Description	Meridian 1	DMS-100
Card type	Program: LD 17 Prompt: MODE Response: PRI	Table: CARRMTC Field: CARD Value: NT6X50AA NT6X50AB
Frame format	Program: LD 17 Prompt: DLOP (field ff) Response: D3	Table: CARRMTC Field: FF Value: SF
Superframe	Response: ESF	Value: ESF
Extended Superframe		
Line encoding	Program: LD 17 Prompt: LCMT Response: AMI	Table: CARRMTC Field: ZLG Value: ZCS
Zero code suppression	Response: B8S	Value: B8ZS
Bit error rate base	Program: LD 73 Prompt: n/a (preset to four classes of error rates)	Table: CARRMTC Field: BERB Value: BPV
Bipolar violations		Value: CRC
CRC		
Data link (yellow alarm method)	Program: LD 17 Prompt: YALM Response: DG2 (Note)	Table: CARRMTC Field: DLK Value: NILDL
No data link	FDL	
Note: When the DMS-100 CARRMTC table has Field = FF and Value = SF, configure the Meridian 1 with DG2. When the DMS-100 CARRMTC table has Field = FF and Value = ESF, configure the Meridian 1 with FDL.		

Table 9
PRI database correlation (protocol layer 1) for Meridian 1 to DMS-100 (Part 2 of 2)

Description	Meridian 1	DMS-100
Inhibit alarm transmission	Program: LD 60 Prompt: DISY L (disable yellow alarm for loop L)	Table: CARRMTC Field: IAT Value: Y N
Bit error rate maintenance threshold	Program: LD 73 Prompt: BIPV Response: 1–(3)–4	Table: CARRMTC Field: BERML Value: 6
Bit error rate out of service threshold	Program: LD 73 Prompt: BIPV Response: 1–(2)–4	Table: CARRMTC Field: BEROL Value: 3 (exponent)
Bit error rate 24-hour threshold (errored second threshold)	Program: LD 73 Prompt: BIPC Response: 0–(3)–128	Table: CARRMTC Field: ES Value: 864
Frame alignment maintenance threshold	Program: LD 73 Prompt: LFAL Response: 1–(17)–10240	Table: CARRMTC Field: FRAMEML
Frame alignment out of service threshold	Program: LD 73 Prompt: LFAL Response: 1–(511)–10240	Table: CARRMTC Field: FRAMEOL Value: 511 (exponent)
Frame slip maintenance threshold	Program: LD 73 Prompt: SRNT Response: 1–(15)–1024	Table: CARRMTC Field: SLIPML Value: 4
Frame slip out of service threshold	Program: LD 73 Prompt: SRNT Response: 1–(3)–1024	Table: CARRMTC Field: SLIPOL Value: 255 (exponent)

Table 10
DCH database correlation (protocol layer 2) for Meridian 1 to DMS-100
X11 release 17 and earlier (Part 1 of 2)

Description	Meridian 1	DMS-100 IAC hardware	DMS-100 DTCI hardware
Associate D-channel with PRI	Program: LD 17 Prompt: DCHI DCHL Response: DCHI sets D-channel; DCHL is the associated PRI card.	Table: TRKSGRP Field: DCHNL Value: same as DS1 end point in table SPECCONN	Table: TRKSGRP Field: PMTYPE Value: DTCI Field: DTC INO Value: Nil Field: DTCICKTNO Value: 16 Field: DTCICKTTS Value: 24
Associate backup D-channel with PRI	Program: LD 17 Prompt: BCHI BCHL RCVP Response: BCHI is the D-channel (or DCHI port number); BCHL is the associated PRI card (or PRI loop); RCVP requests recovery to the primary D-channel.	Table: TRKGRP Field: DCHBCKUP Value: Same as DS1 end point in table SPECCONN	Table: TRKMEM Field: PMTYPE Value: DTCI Field: DTC INO Value: Nil Field: DTCICKTNO Value: 16 Field: DTCICKTTS Value: 5

Table 10
DCH database correlation (protocol layer 2) for Meridian 1 to DMS-100
X11 release 17 and earlier (Part 2 of 2)

Description	Meridian 1	DMS-100 IAC hardware	DMS-100 DTCI hardware
Data rate of D-channel	Program: LD 17 Prompt: DRAT Response: 64KC 56KI	Table: STINV Field: CONTYPE Value: PRIBAUD Field: BAUD Value: 64 kbps 56 kbps	

Table 11
DCH database correlation (protocol layer 2) for Meridian 1 to DMS-100
X11 release 18 and later

Description	Meridian 1	DMS-100
Associate D-channel with PRI	Program: LD 17 Prompt and Response: ADAN DCH xx DCHL PRI loop	Table: TRKSGRP Field: DCHNL Value: same as DS1 end point in table SPECCONN
Associate backup D-channel with PRI	Program: LD 17 Prompt and Response: ADAN BDCH x is the backup D-channel number BCHL xx is the associated PRI card (or PRI loop) RCVP Yes requests recovery to the primary D-channel	Table: TRKGRP Field: DCHBCKUP Value: Same as DS1 end point in table SPECCONN
Data rate of D-channel	Program: LD 17 Prompt and Response: DRAT 64KC, 56KI	Table: STINV Field: CONTYPE Value: PRIBAUD Field: BAUD Value: 64 kbps 56 kbps

Table 12
Facility database correlation (protocol layer 3) for Meridian 1 to DMS-100

Description	Meridian 1	DMS-100
Q.931 Interface identifier (used in CID IE)	n/a	Table: IACPSINV Field: IID Value: 0
Q.931 Call Reference Value Length	n/a	Table: TRKSGRP Field: CRLNGTH Value: 2
B-channel selection	Program: LD 16 Prompt: SRCH Response: RRB LIN	Table: TRKGRP Value: SELSEQ Field: MIDL ASEQ
Billing at Primary Rate Interface (PRI)	n/a	Table: TRKGRP Field: BILLDN Value: N
loss and level	preset	Table: TRKGRP Field: PADGRP Value: PRAC
User-network interface	Program: LD 17 Prompt: IFC Response: D100 (sets user)	Table: TRKSGRP Field: IFCLASS Value: NETWORK
Q.931 progress indicator location	n/a	Table: TRKSGRP Field: LOCATION Value: USER
B-channels defined	Program: LD 14 Prompt: TN Response: 0–159 = network loop 1–23 = channel	Table: TRKMEM Field: EXTTRKMEM Value: IACCKTTS

Meridian 1 to DMS-250 correlation tables

Tables 13 through 16 describe how to coordinate the software features between a Meridian 1 switch and a DMS-250 switch. The tables consist of three columns. The description column lists the software feature to be coordinated. The Meridian 1 column lists the Meridian 1 software prompts and the proper responses for a corresponding feature. The DMS-250 column lists the software tables and the correct values for the fields in these tables. The DMS-250 information also corresponds to a particular feature.

Each of the tables corresponds to one of three protocol layers.

Table 13
PRI database correlation (protocol layer 1) for Meridian 1 to DMS-250 (Part 1 of 2)

Description	Meridian 1	DMS-250
Card type	Program: LD 17 Prompt: MODE Response: PRI	Table: CARRMTC Field: CARD Value: NT6X50AA NT6X50AB
Frame format Superframe Extended Superframe	Program: LD 17 Prompt: DLOP Response: D3 ESF	Table: CARRMTC Field: FF Value: SF ESF
Line encoding Zero code suppression Bit 8 zero suppression	Program: LD 17 Prompt: LCMT Response: AMI B8S	Table: CARRMTC Field: ZLG Value: ZCS B8ZS
Bit error rate base Bipolar violations CRC	Program: LD 73 Prompt: n/a (preset to four classes of error rates)	Table: CARRMTC Field: BERB Value: BPV CRC
Data link (yellow alarm method) No data link	Program: LD 17 Prompt: YALM Response: n/a DG2 FDL	Table: CARRMTC Field: DLK Value: NILD L FDL1 FDL2

Table 13
PRI database correlation (protocol layer 1) for Meridian 1 to DMS-250 (Part 2 of 2)

Description	Meridian 1	DMS-250
Inhibit alarm transmission	Program: LD 60 Prompt: DISL/X (disable yellow alarm for loop L)	Table: CARRMTC Field: IAT Value: YN
Bit error rate maintenance threshold	Program: LD 73 Prompt: BIPV Response: 1–(3)–4	Table: CARRMTC Field: BERML Value: 6
Bit error rate out of service threshold	Program: LD 73 Prompt: BIPV Response: 1–(2)–4	Table: CARRMTC Field: BEROL Value: 3 (exponent)
Bit error rate 24-hour threshold (errored second threshold)	Program: LD 73 Prompt: BIPC Response: 0–(3)–128	Table: CARRMTC Field: ES Value: 864
Frame alignment maintenance threshold	Program: LD 73 Prompt: LFAL Response: 1–(17)–10240	Table: CARRMTC Field: FRAMEML Value: 17
Frame alignment out of service threshold	Program: LD 73 Prompt: LFAL Response: 1–(511)–10240	Table: CARRMTC Field: FRAMEOL Value: 511 (exponent)
Frame slip maintenance threshold	Program: LD 73 Prompt: SRNT Response: 1–(15)–1024	Table: CARRMTC Field: SLIPML Value: 4
Frame slip out of service threshold	Program: LD 73 Prompt: SRNT Response: 1–(3)–1024	Table: CARRMTC Field: SLIPOL Value: 255 (exponent)

Table 14
DCH database correlation (protocol layer 2) for Meridian 1 to DMS-250
X11 release 17 and earlier

Description	Meridian 1	DMS-250
Associated D-channel with PRI	Program: LD 17 Prompt: DCHI DCHL PRI Response: loop and Interface ID	Table: TRKSGRP Field: PMTYPE Value: DTCI Field: DTCINO Value: Nil Field: DTCICKTNO Value: 16 Field: DTCICKTTS Value: 24
Data rate of D-channel	Program: LD 17 Prompt: DRAT Response: 64KC, 56KI	Table: TRKSGRP Field: DCHRATE Value: 56 kbps Value: 64 kbps

Table 15
DCH database correlation (protocol layer 2) for Meridian 1 to DMS-250
X11 release 18 and later

Description	Meridian 1	DMS-250
Associated D-channel with PRI	Program: LD 17 Prompt and Response: ADAN DCH xx DCHL PRI loop	Table: TRKSGRP Field: PMTYPE Value: DTCI Field: DTCINO Value: Nil Field: DTCICKTNO Value: 16 Field: DTCICKTTS Value: 24
Data rate of D-channel	Program: LD 17 Prompt and Response: DRAT 64KC, 56KI	Table: TRKSGRP Field: DCHRATE Value: 56 kbps Value: 64 kbps

Table 16
Facility database correlation (protocol layer 3) for Meridian 1 to DMS-250

Description	Meridian 1	DMS-250
Q.931 Interface identifier (used in CID IE)	n/a	Table: LTCTSINV Field: PSLNKTAB Value: O/DSIPRA/ Default/N/Nil
Q.931 Call Reference Value Length	n/a	Table: TRKSGRP Field: CRLNGTH Value: 2
B-channel selection	Program: LD 16 Prompt: SRCH Response: RRB/LIN	Table: TRKGRP Value: SELSEQ Field: MIDLASEQ
Billing at PRI interface	n/a	Table: TRKGRP Field: BILLDN Value: N
Loss and level	preset	Table: TRKGRP Field: PADGRP Value: PRAC
User-network interface	Program: LD 17 Prompt: IFC Response: D250 (sets user)	Table: TRKSGRP Field: IFCLASS Value: NETWORK
Q.931 progress indicator location	n/a	Table: TRKSGRP Field: LOCATION Value: USER
Backup D-channels defined	Program: LD 14 Prompt: TN Response: 0–159 = network loop 1–23 = channel	Table: TRKMEM Field: PMTYPE Value: DTCI Field: DTCINO Value: Nil Field: DTCICKTNO Value: 16 Field: DTCICKTTS Value: 5